



- JP1 - On board CPU voltage selection
- JP2 - Keyboard & Power LED Connector
- JP3 - 486SX DX2 CPU
- JP4 - Reserved: 1-2
- JP5 - On-board CPU: 2-3
- JP6 - On-board CPU: 2-3
- JP7 - On-board CPU: 2-3
- JP8 - On-board CPU: 2-3
- JP9 - On-board CPU: 2-3
- JP10 - On-board CPU: 2-3
- JP11 - On-board CPU: 2-3
- JP12 - On-board CPU: 2-3
- JP13 - On-board CPU: 2-3
- JP14 - On-board CPU: 2-3
- JP15 - On-board CPU: 2-3
- JP16 - On-board CPU: 2-3
- JP17 - On-board CPU: 2-3
- JP18 - On-board CPU: 2-3
- JP19 - On-board CPU: 2-3
- JP20 - On-board CPU: 2-3
- JP21 - On-board CPU: 2-3
- JP22 - On-board CPU: 2-3
- JP23 - On-board CPU: 2-3
- JP24 - On-board CPU: 2-3
- JP25 - On-board CPU: 2-3
- JP26 - On-board CPU: 2-3
- JP27 - On-board CPU: 2-3
- JP28 - On-board CPU: 2-3
- JP29 - On-board CPU: 2-3
- JP30 - On-board CPU: 2-3
- JP31 - On-board CPU: 2-3
- JP32 - On-board CPU: 2-3
- JP33 - On-board CPU: 2-3
- JP34 - On-board CPU: 2-3
- JP35 - On-board CPU: 2-3
- JP36 - On-board CPU: 2-3
- JP37 - On-board CPU: 2-3
- JP38 - On-board CPU: 2-3
- JP39 - On-board CPU: 2-3
- JP40 - On-board CPU: 2-3
- JP41 - On-board CPU: 2-3
- JP42 - On-board CPU: 2-3
- JP43 - On-board CPU: 2-3
- JP44 - On-board CPU: 2-3
- JP45 - On-board CPU: 2-3
- JP46 - On-board CPU: 2-3
- JP47 - On-board CPU: 2-3
- JP48 - On-board CPU: 2-3
- JP49 - On-board CPU: 2-3
- JP50 - On-board CPU: 2-3
- JP51 - On-board CPU: 2-3
- JP52 - On-board CPU: 2-3
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- JP60 - On-board CPU: 2-3
- JP61 - On-board CPU: 2-3
- JP62 - On-board CPU: 2-3
- JP63 - On-board CPU: 2-3
- JP64 - On-board CPU: 2-3
- JP65 - On-board CPU: 2-3
- JP66 - On-board CPU: 2-3
- JP67 - On-board CPU: 2-3
- JP68 - On-board CPU: 2-3
- JP69 - On-board CPU: 2-3
- JP70 - On-board CPU: 2-3
- JP71 - On-board CPU: 2-3
- JP72 - On-board CPU: 2-3
- JP73 - On-board CPU: 2-3
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- JP75 - On-board CPU: 2-3
- JP76 - On-board CPU: 2-3
- JP77 - On-board CPU: 2-3
- JP78 - On-board CPU: 2-3
- JP79 - On-board CPU: 2-3
- JP80 - On-board CPU: 2-3
- JP81 - On-board CPU: 2-3
- JP82 - On-board CPU: 2-3
- JP83 - On-board CPU: 2-3
- JP84 - On-board CPU: 2-3
- JP85 - On-board CPU: 2-3
- JP86 - On-board CPU: 2-3
- JP87 - On-board CPU: 2-3
- JP88 - On-board CPU: 2-3
- JP89 - On-board CPU: 2-3
- JP90 - On-board CPU: 2-3
- JP91 - On-board CPU: 2-3
- JP92 - On-board CPU: 2-3
- JP93 - On-board CPU: 2-3
- JP94 - On-board CPU: 2-3
- JP95 - On-board CPU: 2-3
- JP96 - On-board CPU: 2-3
- JP97 - On-board CPU: 2-3
- JP98 - On-board CPU: 2-3
- JP99 - On-board CPU: 2-3
- JP100 - On-board CPU: 2-3

(II) Frequency Selection (JP38, JP39)

CPU	JP38	JP39
25MHz	OPEN	CLOSE
33MHz/66MHz/100MHz	CLOSE*	OPEN
40MHz/80MHz	OPEN	OPEN
50MHz	CLOSE	CLOSE

1.3. Cache Size Selection (JP10, JP11, JP13, JP35)

Cache Size	JP10	JP11	JP13	JP35	SRAM	SRAM	SRAM	SRAM
128K	OPEN	CLOSE	1-2	1-2	013	U5-018	U5-018	...
256K	CLOSE	CLOSE	2-3	1-2	...	U5-013	U5-018	...
512K	CLOSE	CLOSE	1-2	2-3	...	...	U5-018	...

1.4. VESA Local Bus Selection (JP33, JP34)

JUMPER	SETTING	FUNCTION
JP33	OPEN*	ONS
	CLOSE	1MS
JP34	CLOSE*	< 33MHz
	OPEN	> 33MHz

1.5. Green Device Connector (JP32)

PIN NUMBER	FUNCTION
1	CONNECT TO EXTERNAL DEVICE FOR GREEN (AC POWER, VOA etc.)
2	NORMAL = HIGH GREEN MODE = LOW

When the system turns into Auto mode or SMI mode, the JP32-pin 2 will change from HIGH to LOW level. When the system is resumed, the pin 2 will return to high level. The jumper is used to connect the green function for monitor power on/off control.

1.6. External Power Management Interface (JP21)

PIN NUMBER	FUNCTION
1	EXTERNAL POWER MANAGEMENT
2	INTERFERENCE GREEN MODE = LOW

1.7. On Board CPU Voltage Selection CPU (JP1)

JUMPER	FUNCTION
JP1	FOR 3.3V CPU (DX2)
	FOR 5V CPU

If there is an on board Auto Detect 5V-3.3V Voltage regulator (Q4 on board), then there is no need to select any CPU Voltage jumper setting. If there is no on board Auto Detect 5V-3.3V Voltage regulator, then you need to select the CPU Voltage manually using jumper JP1.

1.2. CPU & Frequency Selection

(I) CPU selection (JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP12, JP22, JP23, JP24, JP25, JP27, JP36, JP40, JP45)

CPU TYPE	486SX	486DX2	SL-486SX	SL-486DX
JP3	OPEN	1-2	OPEN	1-2
JP4	OPEN	OPEN	OPEN	OPEN
JP5	OPEN	2-3	OPEN	2-3
JP6	1-2	1-2	1-2	1-2
JP7	OPEN	OPEN	OPEN	OPEN
JP8	2-3	1-2	2-3	1-2
JP9	OPEN	OPEN	OPEN	OPEN
JP12	OPEN	OPEN	OPEN	1-2
JP22	1-2	1-2	1-2	1-2
JP23	OPEN	OPEN	OPEN	OPEN
JP24	OPEN	OPEN	CLOSE	CLOSE
JP25	OPEN	OPEN	CLOSE	CLOSE
JP27	OPEN	OPEN	OPEN	OPEN
JP36	1-2	1-2	2-3	2-3
JP40	OPEN	OPEN	OPEN	OPEN
JP43	OPEN	OPEN	OPEN	OPEN

1.8. Turbo Switch Connector (TB\_SW)

TURBO	SPEED	TURBO LED
CLOSE	LOW	OFF
OPEN*	HIGH	ON

There are two choices available for the CPU speed:  
 \*Note: As some VL-Bus add-on cards can not boot at 8 MHz (CPU speed), we recommend the system should be boot with turbo mode (High Speed).

1.9. CMOS Power Source (JP26)

JUMPER	OPERATION
JP26	CLEAR CMOS ON BOARD BATTERY
2-3*	

1.10. Mono/Color Display Selection (JP30)

JUMPER	DISPLAY ADAPTOR TYPE
JP30	MONO DISPLAY
	COLOR DISPLAY

1.11. Reserved Jumper Settings (JP12, JP14, JP23, JP37, JP44, JP45, JP46)

JUMPER	JP12	JP14	JP23	JP37	JP44	JP45	JP46
Factory use only. Do not alter.	1-2	OPEN	1-2	2-3	2-3	2-3	2-3

1.12. Connectors

There are several connectors located on the OPT1 895 motherboard. They are used to connect some peripheral devices to enhance the performance of the system operation.

CONNECTOR	FUNCTION
PL1	POWER CONNECTOR
KB	KEYBOARD CONNECTOR
TB-LED	TURBO LED CONNECTOR
12	POWER LED & KEYLOCK CONNECTOR
JP18	SPEAKER CONNECTOR
S1	HARDWARE RESET CONNECTOR

CPU TYPE	AMD 3.3V CPU	INTEL 486DX4	CYRIL 486 DX
JP3	1-2	1-2	1-2
JP4	OPEN	OPEN	OPEN
JP5	2-3	2-3	2-3
JP6	1-2	1-2	2-3
JP7	1-2: 3X CLK	OPEN	OPEN
JP8	1-2	1-2	1-2
JP9	OPEN	OPEN	1-2
JP12	OPEN	OPEN	OPEN
JP23	1-2	1-2	1-2
JP24	OPEN	OPEN	OPEN
JP25	OPEN	CLOSE	OPEN
JP27	OPEN	OPEN	1-2: M7 1X CLK
JP36	1-2	2-3	2-3: M7 2X CLK
JP40	OPEN	CLOSE	OPEN
JP43	OPEN	OPEN: 3X CLK	OPEN
		1-2: Reserved	
		2-3: Reserved	